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Cellulolysis by *Mucor pusillus*.

Somkuti GA, Babel FJ, Somkuti AC.

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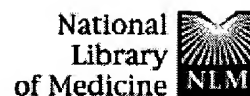
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[PubMed Central](#)[Privacy Policy](#)**Cellulolytic activity of moulds. I. Characteristics of the cellulases complex and xylanase of the strain *Aspergillus terreus* F-413.****Szczodrak J, Trojanowski J, Ilczuk Z, Ginalska G.**

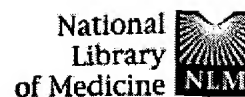
Among 79 strains of moulds belonging to 17 different species, the strain *Aspergillus terreus* F-413 which showed the highest cellulolytic activity was isolated for further studies. Some properties of the complex of cellulases formed by this strain as well as the dynamics of their synthesis under optimal submerged culture conditions were characterized.

PMID: 6189375 [PubMed - indexed for MEDLINE]

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A cellulase complex in culture filtrates of *Penicillium citrinum*.

Olutiola PO.

During growth in a liquid medium that contained a single soluble or an insoluble cellulose carbon source *Penicillium citrinum* released a complex of cellulase enzymes into the medium. A temperature of 30 degrees C was best for cellulase production. Presence of carbon-containing compounds, particularly glucose, inhibited cellulase activity. The enzyme complex was separated by gel filtration followed by ion-exchange chromatography into 11 components, 4 of high molecular weight and 7 of low molecular weight. One of the components (Bb) had the character of C1 cellulase enzyme. When the components were combined they released more reducing sugars from cellulosic substrates than when they were used singly.

PMID: 963627 [PubMed - indexed for MEDLINE]

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